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CNF			<u>Persistent languages facilitate the implementation of software version management</u> <i>Cooper, R.</i> System Sciences, 1989. Vol.II: Software Track, Proceedings of the Twenty-Second Annual Hawaii International Conference on , 1989 , Page(s): 56 -65 vol.2
CNF			<u>Computer supported collaborative language learning based on on-line markup</u> <i>Ogata, H.; Hada, Y.; Cheng, F.; Yano, Y.</i> Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings. 1999 IEEE International Conference on Volume: 5 , 1999 , Page(s): 830 -835 vol.5
CNF			<u>How does 3-D visualization work in software engineering?: empirical study of a 3-D version/module visualization system</u> <i>Koike, H.; Hui-Chu Chu</i> Software Engineering, 1998. Proceedings of the 1998 International Conference on , 1998 , Page(s): 516 -519
CNF			<u>Configuration management with logical structures</u> <i>Yi-Jing Lin; Reiss, S.P.</i> Software Engineering, 1996., Proceedings of the 18th International Conference on , 1996 , Page(s): 298 -307
CNF			<u>Factors in implementing MCM solutions for the high performance systems of the 1990s</u> <i>Buschbom, M.L.; Calvin, S.E.</i> Custom Integrated Circuits Conference, 1991., Proceedings of the IEEE 1991 , 1991 , Page(s): 27.1/1 -27.1/4

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**An industry perspective of recruiting graduate engineers for DSP research***Hargrave, P.J.; Hargrave, M.J.*Teaching of DSP in Universities and Polytechnics, IEE
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**Towards a modular and interoperable SNMPv3**

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**Using MMIC flip chips and CVD diamond for improved thermal management of microwave modules**

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**DataBlade extensions for INFORMIX-Universal Server**

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**FAST: an FPGA-based simulation testbed for ATM networks**

Stiliadis, D.; Varma, A.
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**A new method for increasing the reliability of multiversion software systems using software breeding**

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**Concurrent network management system using distributed processing techniques**

Kiriha, Y.; Nakai, S.; Sakauchi, H.; Fuji, H.; Okazaki, H.
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Document Listing

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US 4912637 A	0	3	0
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DOCUMENT-IDENTIFIER: US 4912637 A
TITLE: Version management tool

TTL:
Version management tool

BSPR:
The present invention is a version management tool having improved systems for preserving all versions, creating any desired version, and merging versions developed from a common file along independent paths.

DRPR:
FIG. 3A is a schematic diagram illustrating the use of an exemplary embodiment of the version management tool loaded into a general purpose digital computer;

DRPR:
FIG. 3B is a block diagram of a general purposed digital computer configured as a version management tool;

DEPR:
FIG. 3A is a schematic diagram depicting the use of version management procedures 13 loaded into a general purpose digital computer for creating and using a version management system. A user utilizes a user interface to check-in a source file module, check-out desired versions of the module, modify the checked-out version, check-in the checked-out version, name and create new paths of development, and merge modules in independent paths to create a resulting module incorporating the changes introduced along the independent paths.

DEPR:
The text files of the various versions are encoded in machine readable form and stored in a structured database 15. The version management procedures 13 build an indexed line file in which the text of every line of every version is stored. Each line is identified by a unique line identifier

(ULI). The version management procedures 13 also create a variant history (VH) file in structured database 15 for each path. The variant history file stores information relating to the status of the lines in each version along a path.

DEPR:

FIG. 3B depicts a standard general purpose digital computer 17 configured as a version management system. The various version management procedures are stored as program data in the computer memory. The computer memory includes the main memory and peripheral storage devices such as disk drives, tape drives and so forth. During operation, the program data is executed in standard fashion. The various version management procedures are executed to build the structured database in the computer memory, to create text files of desired versions, and to merge versions from independent paths.

DEPR:

FIG. 4 is a schematic diagram of a line file (LN) 20 and variant history file (VH) 22 utilized to form different versions of a given module on a given path. A new VH file is created for each independent path of a module. Whenever a new version of a variant is created, a comparison is made between the existing latest version and the text file being checked in. The comparison reports three types of differences, resulting in an updated VH file being written and, possibly, additions being made to the LN file. These three types of differences are:

DEPR:

Next, the procedure for merging the variant paths is called 108. These procedures are described below. If the merge is successful 110 then the variant record is updated 112, if not the program jumps to step 102. Next, a new record describing the version is created 114 and the LN file and VH

files are closed 116. The program then returns to step 102. If there are no more modules to be merged, then the closing portion 103 is executed.

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4	US 5806078 A		USPAT	19980908	74
5	US 5619700 A		USPAT	19970408	12
6	US 5603027 A		USPAT	19970211	23
7	US 5572727 A		USPAT	19961105	25
8	US 5438661 A		USPAT	19950801	23
9	US 5388258 A		USPAT	19950207	26
10	US 4912637 A		USPAT	19900327	25
11	US 4558413 A		USPAT	19851210	58

	Title
1	System to transition an enterprise to a distributed infrastructure
2	Software distribution and maintenance system and method
3	Computer based records management system method
4	Version management system
5	Method and device for managing programs
6	Computer program version management system with reduced storage space and enabling multiple program versions to have the same name
7	Software structure for telecommunication switching systems
8	Version management method and apparatus in multi-window environment
9	Software structure for telecommunication switching systems
10	Version management tool
11	Software version management system

	Current OR	Retrieval Classif	Current XRef	Inventor	U
1	717/5		703/13 ; 703/20 ; 705/7 ; 709/201 ; 717/1 ; 717/7	Eager, Timothy , et al.	<input type="checkbox"/>
2	707/203		707/10 ; 707/3 ; 709/203 ; 709/221	Nakagawa, Toru , et al.	<input checked="" type="checkbox"/>
3	707/100		707/101 ; 707/103 ; 707/104 ; 707/200 ; 707/204 ; 707/205 ; 707/9 ; 711/100 ; 711/170	Johnson, Judy J. , et al.	<input checked="" type="checkbox"/>
4	707/511		707/203	Hug, Richard A. , et al.	<input checked="" type="checkbox"/>
5	717/3		707/203	Abe, Yoshinari	<input checked="" type="checkbox"/>
6	707/200			Ohkami, Takahide	<input checked="" type="checkbox"/>
7	707/200			Larsson, G. Hakan , et al.	<input checked="" type="checkbox"/>
8	345/346		345/356 ; 707/511	Ogawa, Tomoya	<input checked="" type="checkbox"/>
9	707/104		707/201	Larsson, G. Hakan , et al.	<input checked="" type="checkbox"/>
10	707/203			Sheedy, Christopher R. , et al.	<input checked="" type="checkbox"/>
11	707/203		717/11 ; 717/5	Schmidt, Eric E. , et al.	<input type="checkbox"/>

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